

SAFETY DATA SHEET (SDS)

SDS-AD-2428

Revision number: v3

Rev: 11/21

ELUENT 80A

Part Number: 103395

For use with the ADAMS HA-8180V

ARKRAY USA, Inc.

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Minneapolis, Minnesota 55439

Technical Customer Service Phone:

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SAFETY DATA SHEET

SDS No. : 71262EU
 Issue Date : 01 Oct. 2008
 Revision Date : 30 Nov. 2021
 Ver.5.0

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : ELUENT 80A

1.2 Relevant identified uses of the substance or mixture and uses advised against

The product is applicable for the following purpose of use only. Use exclusive reagents for ADAMS A1c HA series.

1.3 Details of the supplier of the safety data sheet

ARKRAY FACTORY, Inc.

Address : 1480 Koji, Konan-cho, Koka-shi, Shiga 520-3306, JAPAN

Phone : +81-748-86-6901

Facsimile : +81-748-86-5347

European representative

ARKRAY Europe, B. V.

Address : Prof. J. H. Bavincklaan 2, 1183 AT Amstelveen, THE NETHERLANDS

Phone : +31-20-545-2450

Facsimile : +31-20-545-2459

1.4 Emergency telephone number

Emergency phone : +31-20-545-2450 (9:00~17:00)

2. Hazards Identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to REGULATION (EC) No 1272/2008.

2.2 Label elements

The product does not need to be labeled in accordance with EC directives or respective national laws.

2.3 Other hazards

May be harmful if ingested.

May cause eyes and skin irritation.

3. Composition/information on ingredients

3.2 Mixtures

Component	Conc. [wt%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
Sodium perchlorate	< 1.0	NaClO ₄	231-511-9	7601-89-0	Ox. Sol 1; H271, Acute Tox. (oral) 4; H302

Sodium azide	< 0.1	NaN ₃	247-852-1	26628-22-8	Acute Tox. (oral) 2; H300, Aquatic Acute 1; H400, Aquatic Chronic 1; H410
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4. First aid measures

4.1 Description of first aid measures.

General notes

Consult a physician. Show this safety data sheet to the doctor in attendance.

Following inhalation

Remove to fresh air and keep comfortable for breathing. Get medical attention if you feel unwell.

Following skin contact

Immediately wash thoroughly with water and soap. Immediately get medical attention if itchiness and inflammation occurs.

Wash contaminated clothing before reuse.

Following eye contact

Immediately wash eyes with plenty of clean water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

Following ingestion

Rinse mouth. Get medical attention.

Self-protection of the first aider

Wear protective equipment to avoid contact with skin and eyes.

4.2 Most important symptoms and effects, both acute and delayed

No relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No relevant information available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water.

Unsuitable extinguishing media

Not specified

5.2 Special hazards arising from the substance or mixture

Toxic fumes may be emitted under fire conditions.

5.3 Advice for firefighters

Remove containers from fire if safe to do. If not, cool containers and surrounding area with water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Stay away from the contaminated area.

6.1.2 For emergency responder

Wear suitable protective equipment.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up**6.3.1 For containment:**

Flush with plenty of water or wipe off with absorbent such as damp cloth before it dries. Rinse used cloth sufficiently.

6.3.2 For cleans up:

Rinse the contaminated area with plenty of water.

6.3.3 Other information:

No relevant information available.

6.4 Reference to other sections

For protective equipment see Section 8.

For disposal see Section 13.

7. Handling and storage**7.1 Precautions for safe handling****Preventive measures (Exposure Control for handling personnel)**

Use suitable protective equipment. For personal protection see Section 8.

Wash hands and gargle after handling. Do NOT eat, drink, or smoke during handling.

7.2 Conditions for safe storage, including any incompatibilities

Avoid direct sunlight. Store at temperature of 3 - 30 °C. Keep container tightly closed.

For incompatibilities see Section 10.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure controls/personal protection**8.1 Control parameters**

The product does not contain any substances for which the allowable concentration has been set.

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Handle in a well-ventilated area.

8.2.2 personal protection equipment:**8.2.2.1 Eye/face protection**

Wear protective goggles, if necessary.

8.2.2.2 Skin protection

Hand protection

Wear protective gloves, if necessary.

Other skin protection:

Wear protective clothing, if necessary.

8.2.2.3 Respiratory protection

Not necessary

8.2.2.4 Thermal hazards

No information available.

8.2.3 Environmental exposure controls

For environmental exposure controls, see Section 6.2.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	Colourless
Odour	No data available
Odour threshold	No data available
Melting point/freezing point	No data available
Boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosion limit	No data available
Flash Point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	5.35 ± 0.05
Kinematic viscosity	No data available
Solubility	No data available
Partition coefficient n-octanol/water(log value)	No data available
Vapour pressure	No data available
Density and/or relative density	No data available
Relative vapour density	No data available
Particle characteristics	Not applicable

9.2 Other information

No further relevant information available.

10. Stability and reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Stable under recommended storage conditions.

10.4 Conditions to avoid

Acid

10.5 Incompatible materials

Store at a distance from incompatible materials.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

11. Toxicological information

11.1 Information on hazard classes as defined in Regulation(EC) No 1272/2008

Acute toxicity	
Oral	Based on available data, the classification criteria are not met. (Mixture) rat LD50 2100 mg/kg(Sodium perchlorate) rat LD50 45 mg/kg (Sodium azide)
Dermal	Based on available data, the classification criteria are not met.
Inhalation	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

11.2 Information on other hazards

No further relevant information available.

12. Ecological information

12.1 Toxicity

Based on available data, the classification criteria are not met. (Mixture)
Algae (Pseudokirchneriella subcapitata) ErC50/96H 348µg/L(Sodium azide)

12.2 Persistence and degradability

Based on available data, the classification criteria are not met. (Mixture)
1 % by HPLC(Sodium azide)

12.3 Bioaccumulative potential

Based on available data, the classification criteria are not met. (Mixture)
Low residualibity(Sodium azide)

12.4 Mobility in soil

Based on available data, the classification criteria are not met.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.

12.7 Other adverse effects

No further relevant information available.

13. Disposal considerations

13.1 Waste treatment methods

13.1.1 Product/Packaging disposal

If the product is unused, dilute the product with a large amount of water before disposing.

13.1.2 Waste treatment-relevant information

Remove the product from containers completely, and dispose of in accordance with the regulations.

13.1.3 Sewage disposal-relevant information

Do not dump this product into sewers, on the ground or into any body of water.

13.1.4 Other disposal recommendations

If used product, ask a licensed disposal company.

Observe all federal, state, and local environmental regulation.

14. Transport information

14.1 UN number or ID number

ADR/RID: N/A

IMDG: N/A

IATA: N/A

14.2 UN proper shipping name

ADR/RID: N/A

IMDG: N/A

IATA: N/A

14.3 Transport hazard class(es)

ADR/RID: N/A

IMDG: N/A

IATA: N/A

14.4 Packing group

ADR/RID: N/A

IMDG: N/A

IATA: N/A

14.5 Environmental hazards

ADR/RID: N/A

IMDG Marine pollutant: N/A

IATA: N/A

14.6 Special precautions for user

When transporting, make sure that there are no leaks in the container, load it so that it does not fall over, fall, or be damaged, and make sure to prevent it from collapsing.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

15. Regulatory information

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

(EC) No 1907/2006 (REACH)

(EC) No 1272/2008 (CLP)

(EU) No 453/2010

(EU) No 2015/ 830

(EU) 2020/878

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16. Other information

The date of preparation and revision of the SDS

Ver.1.0	Prepared on 1 October 2008	
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Ver.2.0	Revised on 24 August 2012:	Added the following words in the document beginning, "This material safety data sheet is according to (ES) No.1907/2006 REACH."
Ver.3.0	Revised on 14 February 2014:	Modified in accordance with the requirements of Regulation (EC) No. 1907/2006.
Ver.4.0	Revised on 1 June 2015:	Deleted classification according to Directives 67/548/EEC or 1999/45/EC.
Ver.4.1	Revised on 8 June 2016:	European representative's address has changed.
Ver.4.2	Revised on 25 January 2017:	Corrected the wording in 15.1.
Ver.4.3	Revised on 14 October 2020:	Changed Revision Date.
Ver.5.0	Revised on 30 November 2021:	Revised a new format in accordance with Regulation(EU) 2020/878.

Key literature references

Package insert

IMDG Code

IATA Dangerous Goods Regulations

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Not applicable

Further information

The above information contained herein is based on the data available to us and is believed to be correct. However, ARKRAY, Inc. bears no warranty expresses or implies regarding the accuracy of these data or the results to be obtained from the use thereof.

ARKRAY, Inc. assumes no responsibility for injury caused from the use of the product described herein.